Edit and Resubmit Save Search Strategies. Formatting options Download

.

Blast 2 sequences

NM 022162:Homo sapiens nucleotide-binding...SEQ ID NO: 1

Results for: refINM_022162.1 Homo sapiens nucleotide-binding oligomerization domain containing 2 (NOD2), mRNA(4485bp) Your BLAST job specified more than one input sequence. This box lets you choose which input sequence to show BLAST results for.

Query ID

gi|11545911|ref|NM_022162.1|

Description

Homo sapiens nucleotide-binding oligomerization domain containing 2 (NOD2), mRNA

Molecule type rna

Query Length 4485

Subject ID

42571 Description

None

Molecule type

nucleic acid Subject Length

Program

BLASTN 2.2.20+ Citation

Reference

Stephen F. Altschul, Thomas L. Madden, Alejandro A. Schäffer, Jinghui Zhang, Zheng Zhang, Webb Miller, and David J. Lipman (1997), "Gapped BLAST and PSI-BLAST: a new generation of protein database search programs", Nucleic Acids Res. 25:3389-3402.

Other reports: Search Summary [Taxonomy reports]

Search Parameters

Program	blastn
Word size	11
Expect value	10
Hitlist size	100
Match/Mismatch scor	es 2,-3
Gapcosts	5,2

Karlin-Altschul statistics

Params	Ungapped	Gapped
Lambda	0.633731	0.625
K	0.408146	0.41
Н	0.912438	0.78

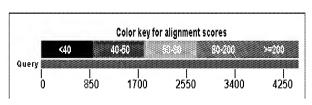
Results Statistics

Effective search space 44750

Graphic Summary

Distribution of 1 Blast Hits on the Query Sequence





Plot of gi|11545911|ref|NM 022162.1| vs 42571 [?]

This dot matrix view shows regions of similarity based upon the BLAST results. The query sequence is represented on the X-axis and the numbers represent the bases/residues of the query. The subject is represented on the Y-axis and again the numbers represent the bases/residues of the subject. Alignments are shown in the plot as lines. Plus strand and protein matches are slanted from the bottom left to the upper right corner, minus strand matches are slanted from the upper left to the lower right. The number of lines shown in the plot is the same as the number of alignments found by BLAST.



Descriptions

Legend for links to other resources: UniGene GEO Gene Structure Map Viewer

Sequences producing significant alignments:

(Click headers to sort columns)
42571 37.4 37.4 0% 3e-07 100%

Alignments Select All Get selected sequences Distance tree of results

```
>1c1|42571
Length=20
```

Score = 37.4 bits (40), Expect = 3e-07 Identities = 20/20 (100%), Gaps = 0/20 (0%) Strand=Plus/Plus

Edit and Resubmit Save Search Strategies Formatting options Download Blast 2 sequences

.

NM 022162:Homo sapiens nucleotide-binding...SEQ ID NO: 2

Results for: refINM_022162.1 Homo sapiens nucleotide-binding oligomerization domain containing 2 (NOD2), mRNA(4485bp) Your BLAST job specified more than one input sequence. This box lets you choose which input sequence to show BLAST results for.

Query ID

gi|11545911|ref|NM_022162.1|

Description

Homo sapiens nucleotide-binding oligomerization domain containing 2 (NOD2), mRNA Molecule type

rna Query Length

4485

Subject ID

1677

Description None

Molecule type

nucleic acid Subject Length

Program

BLASTN 2.2.20+ Citation

Reference

Stephen F. Altschul, Thomas L. Madden, Alejandro A. Schäffer, Jinghui Zhang, Zheng Zhang, Webb Miller, and David J. Lipman (1997), "Gapped BLAST and PSI-BLAST: a new generation of protein database search programs", Nucleic Acids Res. 25:3389-3402.

Other reports: Search Summary [Taxonomy reports]

Search Parameters

Program	blastn
Word size	11
Expect value	10
Hitlist size	100
Match/Mismatch sco	res 2,-3
Gapcosts	5,2

Karlin-Altschul statistics

Params	Ungapped	Gapped
Lambda	0.633731	0.625
K	0.408146	0.41
Н	0.912438	0.78

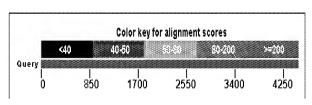
Results Statistics

Effective search space 44750

Graphic Summary

Distribution of 1 Blast Hits on the Query Sequence





Plot of gi|11545911|ref|NM 022162.1| vs 1677 [?]

This dot matrix view shows regions of similarity based upon the BLAST results. The query sequence is represented on the X-axis and the numbers represent the bases/residues of the query. The subject is represented on the Y-axis and again the numbers represent the bases/residues of the subject. Alignments are shown in the plot as lines. Plus strand and protein matches are slanted from the bottom left to the upper right corner, minus strand matches are slanted from the upper left to the lower right. The number of lines shown in the plot is the same as the number of alignments found by BLAST.



Descriptions

Legend for links to other resources: UniGene GEO Gene Structure Map Viewer

Sequences producing significant alignments:

(Click headers to sort columns)
1677 37.4 37.4 0% 3e-07 100%

Alignments Select All Get selected sequences Distance tree of results

```
>1c1|1677
Length=20
```

Score = 37.4 bits (40), Expect = 3e-07 Identities = 20/20 (100%), Gaps = 0/20 (0%) Strand=Plus/Minus

 Query
 2247
 CCTCCGCAAGCACTTCCACT
 2266

 Sbjet
 20
 CCTCCGCAAGCACTTCCACT
 1

Edit and Resubmit Save Search Strategies. Formatting options Download

•

Blast 2 sequences

NM 022162:Homo sapiens nucleotide-binding...SEQ ID NO:5

Results for: ref NM_022162.1 Homo sapiens nucleotide-binding oligomerization domain containing 2 (NOD2), mRNA(4485bp) vour BLAST job specified more than one input sequence. This box lets you choose which input sequence to show BLAST results for.

Query ID

gi|11545911|ref|NM_022162.1|

Description

Homo sapiens nucleotide-binding oligomerization domain containing 2 (NOD2), mRNA

Molecule type rna

Query Length 4485

Subject ID

26991

Description

None Molecule type

nucleic acid

Subject Length

Program

BLASTN 2.2.20+ Citation

Reference

Zheng Zhang, Scott Schwartz, Lukas Wagner, and Webb Miller (2000), "A greedy algorithm for aligning DNA sequences", J Comput Biol 2000; 7(1-2):203-14.

. No significant similarity found. For reasons why, click here

Other reports: Search Summary [Taxonomy reports]

Search Parameters

Program	blastn
Word size	11
Expect value	10
Hitlist size	100
Match/Mismatch scores	2,-3
Gapcosts	5,2
Low Complexity Filter	Yes
Filter string	L;m;
Genetic Code	1
Template length	18
Window Size	40

Karlin-Altschul statistics

Params	Ungapped	Gapped
Lambda	0.633731	0.625
K	0.408146	0.41
Н	0.912438	0.78

Results Statistics

Effective search space 67110

Graphic Summary

Distribution of Blast Hits on the Query Sequence

[?]

Descriptions

Alignments

Edit and Resubmit Save Search Strategies Formatting options Download

.

Blast 2 sequences

NM 022162:Homo sapiens nucleotide-binding...SEQ ID NO:6

Results for: ref|NM_022162.1 Homo sapiens nucleotide-binding oligomerization domain containing 2 (NOD2), mRNA(4485bp) Vour BLAST job specified more than one input sequence. This box lets you choose which input sequence to show BLAST results for.

Query ID

gi|11545911|ref|NM_022162.1|

Description

Homo sapiens nucleotide-binding oligomerization domain containing 2 (NOD2), mRNA

Molecule type rna

Query Length 4485

Subject ID

17521

Description

None

Molecule type nucleic acid

Subject Length

Program

BLASTN 2.2.20+ Citation

Reference

Stephen F. Altschul, Thomas L. Madden, Alejandro A. Schäffer, Jinghui Zhang, Zheng Zhang, Webb Miller, and David J. Lipman (1997), "Gapped BLAST and PSI-BLAST: a new generation of protein database search programs", Nucleic Acids Res. 25:3389-3402.

Other reports: Search Summary [Taxonomy reports]

Search Parameters

Program	blastn
Word size	11
Expect value	10
Hitlist size	100
Match/Mismatch scor	es 2,-3
Gapcosts	5,2

Karlin-Altschul statistics

Params	Ungapped	Gapped
Lambda	0.633731	0.625
K	0.408146	0.41
Н	0.912438	0.78

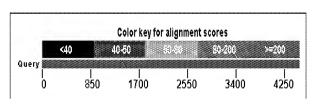
Results Statistics

Effective search space 44750

Graphic Summary

Distribution of 1 Blast Hits on the Query Sequence





Plot of gi|11545911|ref|NM 022162.1| vs 17521 [?]

This dot matrix view shows regions of similarity based upon the BLAST results. The query sequence is represented on the X-axis and the numbers represent the bases/residues of the query. The subject is represented on the Y-axis and again the numbers represent the bases/residues of the subject. Alignments are shown in the plot as lines. Plus strand and protein matches are slanted from the bottom left to the upper right corner, minus strand matches are slanted from the upper left to the lower right. The number of lines shown in the plot is the same as the number of alignments found by BLAST.



Descriptions

Legend for links to other resources: UniGene GEO Gene Structure Map Viewer

Sequences producing significant alignments:

(Click headers to sort columns)
17521 37.4 37.4 0% 3e-07 100%

Alignments Select All Get selected sequences Distance tree of results

```
>1c1|17521
Length=20
```

Score = 37.4 bits (40), Expect = 3e-07 Identities = 20/20 (100%), Gaps = 0/20 (0%) Strand=Plus/Minus

Edit and Resubmit Save Search Strategies Formatting options Download

.

Blast 2 sequences

NM 022162:Homo sapiens nucleotide-binding...SEQ ID NO:9

Results for: [ref]NM_022162.1 Homo sapiens nucleotide-binding oligomerization domain containing 2 (NOD2), mRNA(4485bp)
Your BLAST job specified more than one input sequence. This box lets you choose which input sequence to show BLAST results for.

Query ID

gi|11545911|ref|NM_022162.1|

Description

Homo sapiens nucleotide-binding oligomerization domain containing 2 (NOD2), mRNA

Molecule type rna

Query Length 4485

Subject ID

53501 Description

None

Molecule type nucleic acid

Subject Length

Program

BLASTN 2.2.20+ Citation

Reference

Stephen F. Altschul, Thomas L. Madden, Alejandro A. Schäffer, Jinghui Zhang, Zheng Zhang, Webb Miller, and David J. Lipman (1997), "Gapped BLAST and PSI-BLAST: a new generation of protein database search programs", Nucleic Acids Res. 25:3389-3402.

Other reports: Search Summary [Taxonomy reports]

Search Parameters

Program	blastn
Word size	11
Expect value	10
Hitlist size	100
Match/Mismatch score	s 2,-3
Gapcosts	5,2

Karlin-Altschul statistics

Params	Ungapped	Gapped
Lambda	0.633731	0.625
K	0.408146	0.41
Н	0.912438	0.78

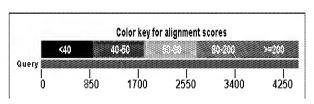
Results Statistics

Effective search space 67110

Graphic Summary

Distribution of 1 Blast Hits on the Query Sequence





Plot of gi|11545911|ref|NM 022162.1| vs 53501 [?]

This dot matrix view shows regions of similarity based upon the BLAST results. The query sequence is represented on the X-axis and the numbers represent the bases/residues of the query. The subject is represented on the Y-axis and again the numbers represent the bases/residues of the subject. Alignments are shown in the plot as lines. Plus strand and protein matches are slanted from the bottom left to the upper right corner, minus strand matches are slanted from the upper left to the lower right. The number of lines shown in the plot is the same as the number of alignments found by BLAST.



Descriptions

Legend for links to other resources: UniGene GEO Gene Structure Map Viewer

Sequences producing significant alignments:

(Click headers to sort columns)
53501 48.2 48.2 0% 2e-10 100%

Alignments Select All Get selected sequences Distance tree of results

>1c1|53501 Length=26

Score = 48.2 bits (52), Expect = 2e-10 Identities = 26/26 (100%), Gaps = 0/26 (0%) Strand=Plus/Plus

 Query
 3075
 GTCCAATAACTGCATCACCTACCTAG
 3100

 Sbjct
 1
 GTCCAATAACTGCATCACCTACCTAG
 26

Foliand Dan

Edit and Resubmit Save Search Strategies Formatting options Download

Blast 2 sequences

NM 022162:Homo sapiens nucleotide-binding...SEQ ID NO:10

Results for: [ref]NM_022162.1 Homo sapiens nucleotide-binding oligomerization domain containing 2 (NOD2), mRNA(4485bp)
Your BLAST job specified more than one input sequence. This box lets you choose which input sequence to show BLAST results for.

Query ID

gi|11545911|ref|NM_022162.1|

Description

Homo sapiens nucleotide-binding oligomerization domain containing 2 (NOD2), mRNA

Molecule type rna

Query Length 4485

Subject ID

691

Description None

Molecule type nucleic acid

Subject Length

• 24

Program

BLASTN 2.2.20+ Citation

Reference

Stephen F. Altschul, Thomas L. Madden, Alejandro A. Schäffer, Jinghui Zhang, Zheng Zhang, Webb Miller, and David J. Lipman (1997), "Gapped BLAST and PSI-BLAST: a new generation of protein database search programs". Nucleic Acids Res. 25:3389-3402.

Other reports: Search Summary [Taxonomy reports]

Search Parameters

Program	blastn
Word size	11
Expect value	10
Hitlist size	100
Match/Mismatch scores	2,-3
Gapcosts	5,2

Karlin-Altschul statistics

Params	Ungapped	Gapped
Lambda	0.633731	0.625
K	0.408146	0.41
Н	0.912438	0.78

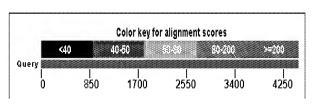
Results Statistics

Effective search space 62650

Graphic Summary

Distribution of 2 Blast Hits on the Query Sequence





Plot of gi|11545911|ref|NM 022162.1| vs 691 [?]

This dot matrix view shows regions of similarity based upon the BLAST results. The query sequence is represented on the X-axis and the numbers represent the bases/residues of the query. The subject is represented on the Y-axis and again the numbers represent the bases/residues of the subject. Alignments are shown in the plot as lines. Plus strand and protein matches are slanted from the bottom left to the upper right corner, minus strand matches are slanted from the upper left to the lower right. The number of lines shown in the plot is the same as the number of alignments found by BLAST.



Descriptions

Legend for links to other resources: UniGene GEO Gene Structure Map Viewer

Sequences producing significant alignments:

(Click headers to sort columns)
691 37.4 60.3 0% 4e-07 100%

Alianments Select All Get selected sequences Distance tree of results

>1c1|691 Length=24

Sort alignments for this subject sequence by:
E value Score Percent identity
Query start position Subject start position

```
Score = 37.4 bits (40), Expect = 4e-07 Identities = 20/20 (100%), Gaps = 0/20 (0%) Strand=Plus/Minus
```

Score = 22.9 bits (24), Expect = 0.008
Identities = 12/12 (100%), Gaps = 0/12 (0%)
Strand=Plus/Plus

Query 1065 AGACTTCCAGGA 1076
Sbjct 7 AGACTTCCAGGA 18